

# Soil Investigation

## Soil Moisture Data Sheet - Star Pattern

Study Site: SMS-\_\_\_\_\_

Name of Collector/Analyst/Recorder: \_\_\_\_\_

Sample collection date: \_\_\_\_\_

Local Time: \_\_\_\_\_ (Hours:Min) UT: \_\_\_\_\_ (Hours:Min)

Current Conditions: Is soil saturated? ☐ Yes ☐ No

Drying Method: ☐ 95-105° C oven ☐ 75-95° C oven ☐ microwave

Average Drying Time: \_\_\_\_\_ (hours or minutes)

Bearing from Star Center (optional): \_\_\_\_\_ Distance from Star Center: \_\_\_\_\_

Observations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### ***Near-Surface Samples:***

| Sample Number | Sample Depth | Container Number | A.<br>Wet<br>Weight<br>(g) | B.<br>Dry<br>Weight<br>(g) | C.<br>Water<br>Weight<br>(A-B) | D.<br>Container<br>Weight<br>(g) | E.<br>Dry Soil<br>Weight<br>(B-D) | F.<br>Soil Water<br>Content<br>(C/E) |
|---------------|--------------|------------------|----------------------------|----------------------------|--------------------------------|----------------------------------|-----------------------------------|--------------------------------------|
| 1             | 0-5 cm       | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |
|               | 10 cm        | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |
| 2             | 0-5 cm       | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |
|               | 10 cm        | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |
| 3             | 0-5 cm       | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |
|               | 10 cm        | _____            | _____                      | _____                      | _____                          | _____                            | _____                             | _____                                |